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**1** [Experimental validation of a tuning algorithm for high-speed filters](#)

G. Matarrese, C. Marzocca, F. Corsi, S. D'Amico, A. Baschiroto

April 2007

**DATE '07:** Proceedings of the conference on Design, automa

**Publisher:** EDA Consortium

 Full text available: [Pdf](#) (503.61 KB)

 Additional Information: [full citation](#), [abs](#)
**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 13, Downloa

We report here the results of some laboratory experiments performed to the self tuning of integrated continuous-time, high-speed active filters. application of a pseudo-random ...

**2** [TETRA radio performance evaluated via the software package TETRA](#)

Armando Annunziato, Davide Sorbara

March 2000

**Mobile Networks and Applications**, Volume 5 Issue 1

**Publisher:** Kluwer Academic Publishers

 Full text available: [Pdf](#) (429.08 KB)

 Additional Information: [full citation](#), [abs](#)
**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 33, Downloa

TETRA (TERrestrial Trunked RAdio) is a digital mobile radio standard for satisfying the growing request of applications and facilities coming from The system has been ...

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[Sylvain Paris](#)

 August 2007 **SIGGRAPH '07:** SIGGRAPH 2007 courses

**Publisher:** ACM [Request Permissions](#)

 Full text available: [Mov](#) (100:20 MIN), [Pdf](#) (27.35 MB) Additional Information: [full cite](#)
**Bibliometrics:** Downloads (6 Weeks): 58, Downloads (12 Months): 460, Downl

- Image-based modeling and photo editing *Oh et al.* ACM SIGGRAPH co Machinery, Inc. Reprinted by permission. <http://doi.acm.org/10.1145/3display of high-dynamic-range ...>

**4** [Logarithmic perspective shadow maps](#)
[D. Brandon Lloyd, Naga K. Govindaraju, Cory Quammen, Steven E. Molnar](#)

 October 2008 **Transactions on Graphics (TOG)**, Volume 27 Issue 4

**Publisher:** ACM [Request Permissions](#)

 Full text available: [Pdf](#) (23.37 MB)

 Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 28, Downloads (12 Months): 295, Downl

We present a novel shadow map parameterization to reduce perspective light sources. We derive the aliasing error equations for both types of li equations we ...

**Keywords:** Shadow maps, antialiasing

##### 5 [Efficient architectural design space exploration via predictive modelir](#)

 [Engin Ipek, Sally A. McKee, Karan Singh, Rich Caruana, Bronis R. de Supin](#)  
January 2008 **Transactions on Architecture and Code Optimization (T**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (1.70 MB)

Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 155, Downl

Efficiently exploring exponential-size architectural design spaces with m problem: the sheer number of experiments required renders detailed sin automated approach that ...

**Keywords:** Artificial neural networks, design space exploration, perform

##### 6 [Fast and flexible application-level networking on exokernel systems](#)

 [Gregory R. Ganger, Dawson R. Engler, M. Frans Kaashoek, Hector M. Brice](#)  
February 2002 **Transactions on Computer Systems (TOCS)** , Volume 20 Is

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (500.67 KB)


Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 69, Downlo

Application-level networking is a promising software organization for im important network services. The Xok/ExOS exokernel system includes a services, while at ...

**Keywords:** Extensible systems, OS structure, fast servers, network ser

##### 7 [A gentle introduction to bilateral filtering and its applications](#)

 [Sylvain Paris, Pierre Kornprobst, Jack Tumblin, Frédo Durand](#)  
August 2008 **SIGGRAPH '08: SIGGRAPH 2008 classes**


**Publisher:** ACM  [Request Permissions](#)

Full text available:  Mov (195:15 MIN),  Pdf (39.45 MB) Additional Information: [full citi](#)

**Bibliometrics:** Downloads (6 Weeks): 36, Downloads (12 Months): 391, Downl


The bilateral filter is a non-linear technique that can blur an image while decompose an image into different scales without causing haloes after r computational photography ...

##### 8 [GPGPU: general purpose computation on graphics hardware](#)

 [David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ia](#)

August 2004 **SIGGRAPH '04**: SIGGRAPH 2004 Course Notes

**Publisher:** ACM  [Request Permissions](#)


Full text available:  Pdf (63.03 MB)

Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 255, Downloads (12 Months): 1580, Downloads (24 Months): 1580

The graphics processor (GPU) on today's commodity video cards has evolved into a general purpose processor. The latest graphics architectures provide tremendous memory bandwidth with fully programmable vertex ...

## 9 [Automatically patching errors in deployed software](#)

 Jeff H. Perkins, Sunghun Kim, Sam Larsen, Saman Amarasinghe, Jonathan Frank Sherwood, Stelios Sidiroglou, Greg Sullivan, Weng-Fai Wong, Yoav Zigelboim  
October 2009 **SOSP '09**: Proceedings of the ACM SIGOPS 22nd symposium

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (471.33 KB)


Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 18, Downloads (12 Months): 18, Downloads (24 Months): 18

We present ClearView, a system for automatically patching errors in deployed Windows x86 binaries without any need for source code, debugging information, or without human intervention. ...

**Keywords:** self healing

## 10 [Debugging in the \(very\) large: ten years of implementation and experience](#)

 Kirk Glerum, Kinshuman Kinshumann, Steve Greenberg, Gabriel Aul, Vince Loihle, Galen Hunt  
October 2009 **SOSP '09**: Proceedings of the ACM SIGOPS 22nd symposium

**Publisher:** ACM  [Request Permissions](#)

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Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 33, Downloads (12 Months): 33, Downloads (24 Months): 33


Windows Error Reporting (WER) is a distributed system that automates the collection of error data from an installed base of a billion machines. WER has collected billions of error reports and error data automatically ...

**Keywords:** blue screen of death, bucketing, classifying, error reports, logging

## 11 [Performance OpenGL: platform independent techniques](#)

 Bob Kuehne, Tom True, Alan Commike, Dave Shreiner  
July 2005 **SIGGRAPH '05**: SIGGRAPH 2005 Courses


**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (3.76 MB)

Additional Information: [full citation](#), [reference](#)

**Bibliometrics:** Downloads (6 Weeks): 20, Downloads (12 Months): 158, Downloads (24 Months): 158

## 12 [Collision detection and proximity queries](#)

 Sunil Hadap, Dave Eberle, Pascal Volino, Ming C. Lin, Stephane Redon, Chris Batty  
August 2004 **SIGGRAPH '04**: SIGGRAPH 2004 Course Notes

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (11.22 MB)Additional Information: [full citation](#), [abs](#)**Bibliometrics:** Downloads (6 Weeks): 76, Downloads (12 Months): 565, Downl

This course will primarily cover widely accepted and proved methodology advanced or recent topics such as continuous collision detection, ADFs, introduced. When appropriate ...

**13** [STAR: self-tuning aggregation for scalable monitoring](#)



Navendu Jain, Dmitry Kit, Prince Mahajan, Praveen Yalagandula, Mike Dahl  
September 2007 **VLDB '07**: Proceedings of the 33rd international conference

**Publisher:** VLDB EndowmentFull text available:  Pdf (520.35 KB)Additional Information: [full citation](#), [abs](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 58, Downloa

We present **STAR**, a self-tuning algorithm that adaptively sets numeric efficiently answer continuous aggregate queries over distributed data st essential for both robustness ...


**14** [Exploiting perception in high-fidelity virtual environments](#) **Additional presentations from the 24th course are available on 1**

Mashhuda Glencross, Alan G. Chalmers, Ming C. Lin, Miguel A. Otaduy, Die  
July 2006 **SIGGRAPH '06**: SIGGRAPH 2006 Courses

**Publisher:** ACM  [Request Permissions](#)Full text available:  Mov (68:6 MIN),  Pdf (5.07 MB) Additional Information: [full citation](#), [abs](#), [cited by](#), [ir](#)**Bibliometrics:** Downloads (6 Weeks): 164, Downloads (12 Months): 1391, Dov

The objective of this course is to provide an introduction to the issues th fidelity 3D engaging shared virtual environments. The principles of hum algorithms and techniques ...

**Keywords:** collaborative environments, haptics, high-fidelity rendering networked applications, perception, virtual reality

**15** [Improved error reporting for software that uses black-box componen](#) [Jungwoo Ha, Christopher J. Rossbach, Jason V. Davis, Indrajit Roy, Hany E Emmett Witchel](#)

June 2007 **PLDI '07**: Proceedings of the 2007 ACM SIGPLAN conference implementation

**Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (345.48 KB)Additional Information: [full citation](#), [abs](#)**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 102, Downlo

An error occurs when software cannot complete a requested action as a configuration, or environment. A high-quality error report allows a user Unfortunately, the quality of ...

**Keywords:** classification, error report, machine learning, profiling, soft

Also published in:


June 2007 **SIGPLAN Notices** Volume 42 Issue 6

**16** [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November 1997 **CASCON '97: Proceedings of the 1997 conference of the C research**

**Publisher:** IBM Press


Full text available:  Pdf (4.21 MB)

Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 34, Downloads (12 Months): 363, Downl

Understanding distributed applications is a tedious and difficult task. Vis are often used to obtain a better understanding of the execution of the Poet, an event ...

**17** [An energy-aware framework for dynamic software management in m](#)

 Yunsi Fei, Lin Zhong, Niraj K. Jha

April 2008 **Transactions on Embedded Computing Systems (TECS)**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (854.47 KB)


Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 37, Downloads (12 Months): 303, Downl

Energy efficiency has become a very important and challenging issue fo this article, we propose a novel dynamic software management (DSOM) have designed and implemented ...

**Keywords:** Software adaptation, energy macromodel, runtime coordin

**18** [Client-server computing in mobile environments](#)

 Jin Jing, Abdelsalam Sumi Helal, Ahmed Elmagarmid

June 1999 **Computing Surveys (CSUR)** , Volume 31 Issue 2

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (233.31 KB)


Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 95, Downloads (12 Months): 679, Downl

Recent advances in wireless data networking and portable information a computing, called mobile computing, in which users carrying portable di services ...

**Keywords:** application adaptation, cache invalidation, caching, client/s operation, mobile applications, mobile client/server, mobile compuing, r system application

**19** [NWSLite: A general-purpose, nonparametric prediction utility for emt](#)

 Selim Gurun, Chandra Krintz, Rich Wolski

April 2008 **Transactions on Embedded Computing Systems (TECS)**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (405.49 KB)

Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 74, Download

Time series-based prediction methods have a wide range of uses in emk applications require accurate prediction of demand and supply of resour is not easy, since the dynamics ...


**Keywords:** CPU availability estimation, Computation offloading, embed prediction algorithms

## 20 [The effect of registration error on tracking distant augmented objects](#)

Mark A. Livingston, Zhuming Ai

September 2008 **ISMAR '08:** Proceedings of the 7th IEEE/ACM International

**Publisher:** IEEE Computer Society

Full text available:  [Pdf](#) (14.95 MB)

Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 6, Download

We conducted a user study of the effect of registration error on perform reality. Categorizing error by types that are often used as specifications ability of users ...

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